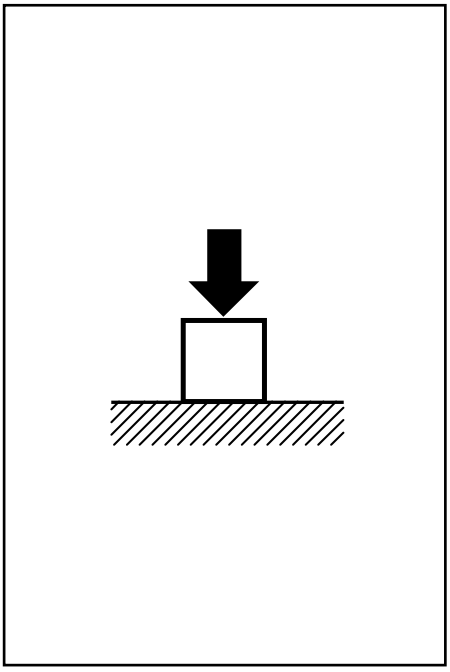
UTILCELL
LOAD CELLS - WÄGEZELLEN

MODEL 420

1...30t

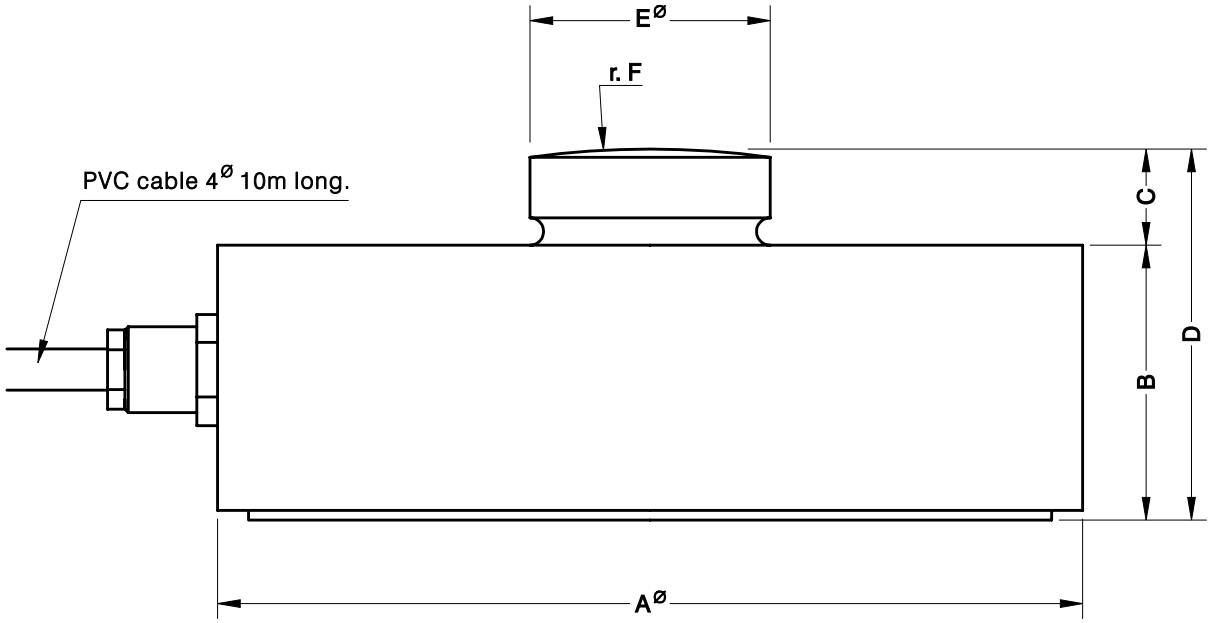


- Compression load cell
- 2000 divisions OIML R60 class C
- Measuring element from Stainless Steel
- Hermetically sealed, fully welded
- Protected IP 68 (EN 60529) and IP 69K (ISO 20653)
- Easy installation
- Available in ATEX version (optional) Zone 0-1-2 (gas) and 20-21-22 (dust)
- Application: Tanks and silos weighing systems with low profile requirements

- Drucklastwägezelle
- 2000 Teile OIML R60 Klasse C
- Messelement aus Edelstahl
- Hermetisch dicht verschweißt
- Protected IP 68 (EN 60529) und IP 69K (ISO 20653)
- Einfache Montage
- Erhältlich in ATEX -Ausführung (optional) Zone 0-1-2 (Gas) und 20-21-22 (Staub)
- Anwendungen: Behälter und Silowaagen mit niedriger Einbauhöhe

Model Modell	Nominal capacity Nennlast Ln	Accuracy class Genauigkeitsklasse n. OIML	Minimum division Kleinster Teilungswert vmin	Service load Gebrauchslast 150 % Ln	Safe load limit Grenzlast 200 % Ln
420 1 t	1 t	2000	0.1 kg	1.5 t	2 t
420 2.5 t	2.5 t	2000	0.25 kg	3.75 t	5 t
420 5 t	5 t	2000	0.5 kg	7.5 t	10 t
420 10 t	10 t	2000	1 kg	15 t	20 t
420 20 t	20 t	2000	2 kg	30 t	40 t
420 30 t	30 t	2000	3 kg	45 t	60 t

MODEL 420

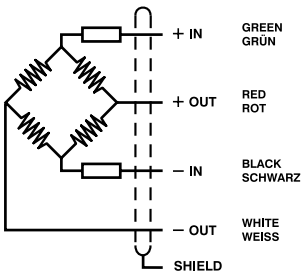


Nominal Load *Nennlast*	A⌀	B	C	D	E⌀	r. F	Transport Weight *Transportgewicht*
1...10 t	82	32	12	44	22	130	1.1 kg
20...30 t	126	40	14	54	35	200	2.8 kg

Dimensions in mm. *Abmessungen in mm.*

SPECIFICATIONS			**TECHNISCHE DATEN**
Nominal capacities (Ln)	1-2.5-5-10-20-30	t	Nennlasten (Ln)
Accuracy class	2000	n. OIML	Genauigkeitsklasse
Minimum dead load Service load Safe load limit	0 150 200	%Ln %Ln %Ln	Minimale Vorlast Gebrauchslast Grenzlast
Total error Repeatability error	< ±0.025 < ±0.015	%Sn %Sn	Zusammengesetzter Fehler Wiederholgenauigkeit
Temperature effect: on zero on sensitivity	 < ±0.01 < ±0.009	 %Sn/5 °C %Sn/5 °C	Temperaturfehler: Nullpunkt Kennwert
Creep error (30 minutes)	< ±0.024	%Sn	Kriechfehler (30 min)
Temperature compensation Temperature limits	-10...+40 -50...+70	°C °C	Nenntemperaturbereich Arbeitstemperaturbereich
Nominal sensitivity (Sn) Nominal input voltage Maximum input voltage Input impedance Output impedance No load output Insulation resistance	2 ±0.1% 10 15 800 ±30 700 ±5 ±2 > 5000	mV/V V V Ω Ω %Sn MΩ	Nennkennwert (Sn) Nom. Speisespannung Max. Speisespannung Eingangswiderstand Ausgangswiderstand Nullsignaltoleranz Isolationswiderstand
Maximum deflection (at Ln)	< 0.6	mm	Nennmessweg (bei Ln)

ELECTRICAL CONNECTION
ELEKTRISCHER ANSCHLUSS:



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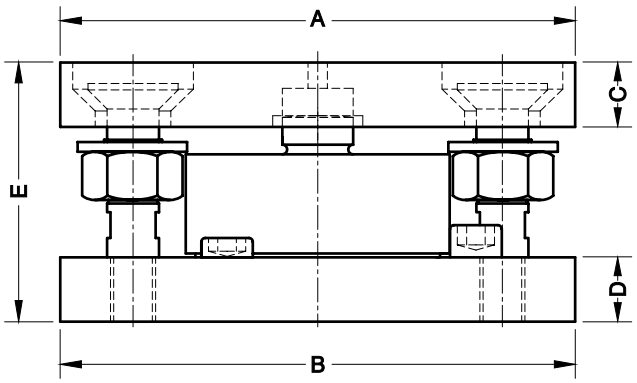
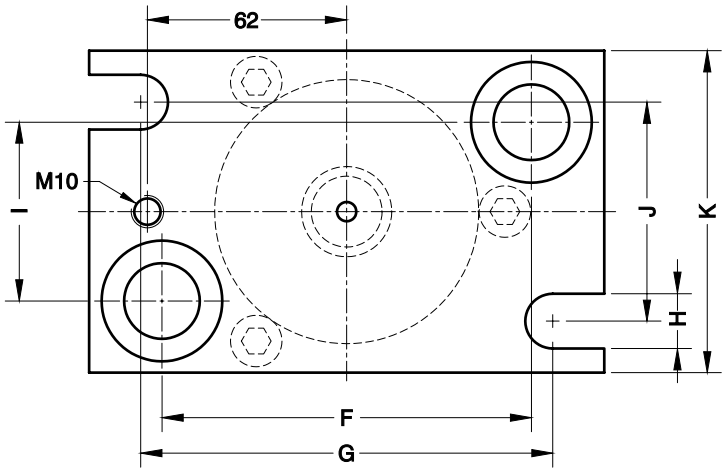
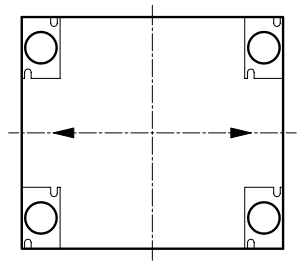
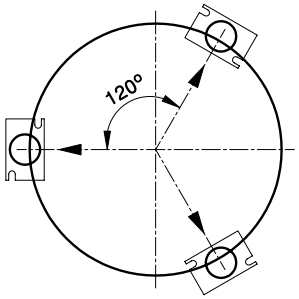
ACC. 42901
ACC. 42902

MOUNTING KIT LIFT-OFF PREVENTION FOR SILO FOR MOD.420
LASTECKE MIT ABHEBESICHERUNG FÜR MOD.420









Accessory Zubehör	Nominal Load Nennlast	A	B	C	D	E	F	G	H	I	J	K	Transport weight Transportgewicht
42901	1-2.5-5-10 t	160	160	20	20	80	115	128	17	55.5	68	100	5.3 kg
42902	20-30 t	218	218	25	25	100	168	180	21	100	100	150	13.5 kg

	Alloy Steel zinc-plated / *Verzinkter Stahl*		Stainless Steel / *Edelstahl*	
	42901	**42902**	**42901i**	**42902i**
Maximum horizontal offset *Max. zulässige Seitenverschiebung*	±3 mm	±3 mm	±3 mm	±3 mm
Maximum lift-off force *Maximale Zugkraft vertikal*	72 kN	110 kN	59 kN	84.5 kN
Maximum horizontal force *Maximale Kraft in horizontale Richtung*	22 kN	32 kN	22 kN	32 kN

Dimensions in mm. *Abmessungen in mm.*